

## Abstract

The invention relates to tools for the diagnosis, molecular definition and development of treatment of chronic inflammatory joint diseases and other inflammatory, infectious or tumourous diseases. According to the invention, genome data (genomics), proteome data (proteomics) and immunome data (immunomics) are used in the analysis and development of treatment of chronic joint diseases. The invention is based on the use of gene sequences and derived mRNAs and proteins, in addition to antibodies having a specific nature for the derived proteins, for characterising inflammatory and non-inflammatory rheumatic joint diseases, auto-immune diseases and infectious diseases. Etiologically significant pathogenicity principles of chronic inflammatory joint diseases which have been unclear until now can be derived from the examinations carried out. Furthermore, interpretation algorithms can be created for the classification, prognosis evaluation and treatment optimisation of said joint diseases, and new strategies for treatment and points of attack for medicaments can be derived.